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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER	
JACOBS, LASHONDA T	
ART UNIT	**PAPER NUMBER**
2157	9

DATE MAILED: 10/23/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

FPG

Office Action Summary	Application No.	Applicant(s)	
	09/679,297	MURET ET AL.	
	Examiner	Art Unit	
	LaShonda T. Jacobs	2157	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *04 October 2000* .

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-82* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-82* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____ .

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) *4,5,7,8* .
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-82 rejected under 35 U.S.C. 102(e) as being anticipated by Boyd et al (hereinafter, "Boyd", 6,112,238).

As per claim 1, Boyd discloses a system for analyzing and monitoring Internet traffic, comprising:

- a relational database (col. 3, lines 33-61 and col. 4, lines 30-49);
- a log engine that processes log files from at least one internet server and stores data processed from the log files in the relational database (col. 3, lines 33-61 and col. 4, lines 30-49) ; and
- a report engine that generates reports based on the processed data stored in the relational database (col. 4, lines 30-49 and col. 5, lines 11-25).

As per claim **2**, Boyd discloses:

- wherein the relational database comprises a plurality of hash tables (col. 4, lines 30-49, col. 5, lines 11-25 and col. 6, lines 18-29).

As per claim 3, Boyd discloses:

- a visitor table that stores traffic information generated by a visitor to an Internet site hosted by the least one Internet server (col. 6, lines 18-67 and col. 7, lines 1-23); and
- a plurality of data tables, wherein each data table stores records related to a respective parameter (col. 6, lines 18-67 and col. 7, lines 1-23).

As per claim 4, Boyd discloses:

- wherein the visitor table comprises at least one pointer to at least one record stored in at least one of the data tables (col. 6, lines 18-67 and col. 7, lines 1-23).

As per claim 5, Boyd discloses wherein the respective parameters comprise:

- domain names from which the visitor originated (col. 6, lines 18-67 and col. 7,lines 1-23);
- web browsers used by the visitor (col. 6, lines 18-67 and col. 7, lines 1-23); and
- other internet sites that referred the visitor to the Internet site (col. 6, lines 18-67 and col. 7, lines 1-23).

As per claim 6, Boyd discloses a system for analyzing and monitoring internet traffic generated by visitors to at least one internet site hosted by at least one internet server, comprising:

- a visitor centric database (col. 3, lines 33-61 and col. 4, lines 30-49);
- a log engine that receives log files from the at least one internet server, processes hits logged in each log file, and stores traffic data derived from the hits in the visitor centric database, wherein the visitor centric database associates the traffic data derived from the hits with a visitor that generated the hit (col. 3, lines 33-61 and col. 4, lines 30-49); and
- a report engine that generates reports using the traffic data stored in the visitor

centric database (col. 4, lines 30-49 and col. 5, lines 11-25).

As per claims 40, 62 and 63, Boyd discloses a system for analyzing and monitoring Internet traffic generated by visitors to at east one Internet site hosted by at least one Internet server, comprising:

- means for receiving log files from the at least one internet server ; (col. 3, lines 33-61 and col. 4, lines 30-49)
- means for processing hits logged in each log file (col. 3, lines 33-61 and col. 4, lines 30-49);
- means for storing traffic data derived from the hits in a database (col. 3, lines 33-61 and col. 4, lines 30-49);
- means for associating the traffic data derived from the hits and stored in the database with a visitor that generated the hit (col. 3, lines 33-61 and col. 4, lines 30-49);and
- means for generating reports using the associated traffic data stored in the database (col. 4, lines 30-49 and col. 5, lines 11-25).

As per claims 7, 41 and 64, Boyd discloses:

- wherein the visitor centric database comprises a plurality of hash tables (col. 4, lines 30-49, col. 5, lines 11-25 and col. 6, lines 18-29).

As per claims 8, 42, and 65 Boyd discloses wherein the plurality of hash tables comprise:

- a visitor table that stores traffic information derived from the hits, wherein the visitor table contains a unique visitor record for each visitor (col. 6, lines 18-67 and col. 7, lines 1-23); and

- a plurality of data tables, wherein each data table stores data related to a respective non-unique parameter (col. 6, lines 18-67 and col. 7, lines 1-23).

As per claims 9, 43 and 66, discloses:

- wherein the visitor table comprises at least one pointer to at least one record stored in at least one of the data tables (col. 6, lines 18-67 and col. 7, lines 1-23).

As per claim 10, discloses wherein the respective non-unique parameters comprise:

- domain names from which the visitors originated ; (col. 6, lines 18-67 and col. 7, lines 1-23)
- web browsers used by the visitors (col. 6, lines 18-67 and col. 7, lines 1-23); and
- other internet sites that referred the visitors to the at least one internet site (col. 6, lines 18-67 and col. 7, lines 1-23).

As per claims 11 and 44, Boyd discloses:

- wherein the log engine comprises a database buffer that temporarily stores the traffic data derived from the hits logged in the log files (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 12, Boyd discloses:

- wherein the log engine further comprises a database updater that transfers the traffic data temporarily stored in the database buffer to the visitor centric database (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claims 13 and 46, Boyd discloses:

- wherein the database updater sorts the traffic data temporarily stored in the database buffer before transferring the traffic data to the visitor centric database (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claims 14 and 14, Boyd discloses:

- wherein the log engine comprises a log parser that reads log lines in the log files, and separates each log file into individual fields (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 15, Boyd discloses:

- wherein the log parser is adapted to process the log lines in real time as each hit is logged to a log file (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 16, Boyd discloses:

- wherein the log engine is configured to process hits from multiple internet sites that are logged to a single log file (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 17, Boyd discloses:

- wherein the log engine comprises a website identifier that identifies a source of each hit (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 18, Boyd discloses:

- wherein the log engine comprises a visitor identifier that determines if a hit originates from a new visitor or an existing visitor (col. 3, lines 33-61 and col. 4, lines 30-49)

As per claim 19, Boyd discloses:

- wherein the visitor identifier is adapted to create a new visitor record if a hit originates from a new visitor (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 20, Boyd discloses:

- wherein the log engine comprises a domain name system (DNS) resolver that determines host and domain information for each visitor (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 21, Boyd discloses:

- wherein the DNS resolver utilizes reverse DNS resolution to determine the host and domain information for each visitor (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 22, Boyd discloses:

- wherein the log engine is adapted to process e-commerce log files that contain information on money spent by a visitor (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 23, Boyd discloses:

- wherein the report engine is adapted to generate reports that correlate money spent by a visitor to any other parameter of the traffic data (col. 4, lines 30-49 and col. 5, lines 11-25)

As per claim 24, Boyd discloses:

- wherein the report engine is adapted to generate a top products report that ranks products purchased by visitors based on revenues generated by the products (col. 4, lines 30-49 and col. 5, lines 11-25).

As per claim 25, Boyd discloses:

- wherein the report engine is adapted to generate at least one of a totals report, product tree report, regions report, and top scores report (col. 4, lines 30-49 and col. 5, lines 11-25).

As per claim 26, Boyd discloses:

- wherein the report engine is adapted to generate a report that displays a value of at least one traffic data parameter over at least one predetermined time period (col. 4, lines 30-49 and col. 5, lines 11-25).

As per claim 27, Boyd discloses:

- wherein the report comprises a snapshot report in which the at least one predetermined time period comprises seven consecutive 24 hour time periods (col. 4, lines 30-49 and col. 5, lines 11-25).

As per claim 28, Boyd discloses:

- wherein the report comprises an hourly graph report in which the at least one predetermined time period comprises a plurality of consecutive one hour time periods (col. 4, lines 30-49 and col. 5, lines 11-25).

As per claim 29, Boyd discloses:

- wherein the report engine is adapted to generate a top pages report that ranks website pages based on number of visitors to the website pages (col. 4, lines 30-49 and col. 5, lines 11-25).

As per claim 30, Boyd discloses:

- wherein each entry in the top pages report comprises a link for accessing additional information about a respective website page (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 31, Boyd discloses:

- wherein the report engine is adapted to generate a search engine report that displays a list of most used search engines (col. 4, lines 30-49 and col. 5, lines 11-25)

As per claim 32, Boyd discloses:

- wherein the report engine is adapted to generate a top domains report that displays regional and network information about the visitors (col. 4, lines 30-49 and col. 5, lines 11-25)

As per claim 33, Boyd discloses:

- wherein the report engine is adapted to generate a browser tree report that ranks internet browsers based on which internet browsers are used most by visitors to a website (col. 4, lines 30-49 and col. 5, lines 11-25)

As per claim 34, Boyd discloses:

- wherein each internet browser entry in the browser tree report includes a link for accessing information about different versions of a respective internet browser (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 35, Boyd discloses:

- wherein the report engine is adapted to generate a top entrances report that ranks starting points of visitors to a website based most used starting points (col. 4, lines 30-49 and col. 5, lines 11-25).

As per claim 36, Boyd discloses wherein the report engine is adapted to generate at least

- one of a summary report, a daily graph report, a monthly graph report, a top servers report, a file types report, a status/errors report, a posted forms report, a top referrals report, a top keywords report, a referral tree report, a domain tree report, a top countries report, a platform tree report, atop combos report, a top exits report, a click through report, a depth of visit report, a length of visit report, and a usernames report (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 37, Boyd discloses wherein the report engine comprises:

- a template module that stores report templates (col. 3, lines 33-61 and col. 4, lines 30-49);
- a session parser that receives report requests from the at least one server, and determines a type of report requested, data needed to generate a requested report and a format for the requested report (col. 3, lines 33-61 and col. 4, lines 30-49);
- an authenticator that receives an identity of a report requester from the session parser, and verifies that the report requester has permission to view a requested report (col. 3, lines 33-61 and col. 4, lines 30-49),
- a data query module that receives authentication information from the authenticator, and that queries the database for data needed to generate the requested report if the report requester has permission to view the requested report (col. 3, lines 33-61 and col. 4, lines 30-49); and
- a format output module that receives the data needed to generate the requested report from the database, retrieves templates for the requested report from the template module, creates the requested report, and delivers the requested report to the report requester (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 38, Boyd discloses:

- wherein the template module also stores at least one dictionary (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 39, Boyd discloses:

- wherein the format output module is adapted to create the requested report in

a selectable language using the at least one dictionary (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 45, Boyd discloses:

- wherein the storing means comprises database update means for transferring the traffic data temporarily stored in the buffer means to the database (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 48, Boyd discloses:

- wherein the log parser means processes the log lines in real time as each hit is logged to a log file (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 49, Boyd discloses:

- wherein the processing means processes hits originating from multiple internet sites and logged to a single log file (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 50, Boyd discloses:

- wherein the processing means comprises website identification means that identifies a source of each hit (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 51, Boyd discloses:

- wherein the processing means comprises visitor identification means that determines if a hit originates from a visitor with a preexisting visitor record in the database (col. 3, lines 33-61 and col. 4, lines 30-49)

As per claim 52, Boyd discloses:

- wherein the visitor identification means creates a new visitor record if a hit originates from a visitor without a preexisting visitor record in the database (col. 3, lines 33-61 and col. 4, lines 30-49)

As per claim 53, Boyd discloses:

- wherein the processing means comprises domain name system (DNS) resolver means that determines host and domain information for each visitor (col. 3, lines 33-61 and col. 4, lines 30-49)

As per claim 54, Boyd discloses:

- wherein the DNS resolver means utilizes reverse DNS resolution to determine the host and domain information for each visitor (col. 3, lines 33-61 and col. 4, lines 30-49)

As per claim 55, Boyd discloses a system for analyzing and monitoring internet traffic generated by visitors to at least one internet site hosted by at least one internet server, comprising:

- a database (col. 3, lines 33-61 and col. 4, lines 30-49);
- a log engine that receives log files from the at least one internet server, processes hits logged in each log file, and stores traffic data extracted from the processed hits in the database, wherein the log engine comprises (col. 3, lines 33-61 and col. 4, lines 30-49),
- a database buffer that temporarily stores traffic data received from the database (col. 3, lines 33-61 and col. 4, lines 30-49),
- a log parser that processes each hit in each log file, and separates each hit into its individual fields (col. 3, lines 33-61 and col. 4, lines 30-49),

- a visitor identifier that receives each hit's individual fields from the log parser, identifies each hit as originating from either a new visitor or an existing visitor, and creates a new visitor record in the database buffer if a hit originates from a new visitor (col. 3, lines 33-61 and col. 4, lines 30-49),
- a buffer updater that, prior to processing a new log file, copies previously stored data from the datab to the database buffer, and wherein, for each hit, the buffer updater locates in the database buffer the visitor record identified or created by the visitor identifier for a respective hit, and updates the identified or created visitor record in the database buffer with traffic data derived from the respective hit (col. 3, lines 33-61 and col. 4, lines 30-49), and
- a database updater that copies updated traffic data from the database buffer to the database after all hits in the new log file have been processed (col. 3, lines 33-61 and col. 4, lines 30-49); and
- a report engine that generates reports using the traffic data stored in the database (col. 4, lines 30-49 and col. 5, lines 11-25).

As per claim 56, Boyd discloses:

- wherein the log parser is updated to process each hit in real time as each hit is added to a log file (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 57, Boyd discloses:

- wherein the log engine further comprises a website identifier that identifies a source of each hit (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 58, Boyd discloses:

- wherein the website identifier identifies the source of each hit from website identifier text received

from the log parser for each hit (col. 3, lines 33-61 and col. 4, lines 30-49)

As per claim 59, Boyd discloses:

- wherein the log engine further comprises a domain name system (DNS) resolver that determines hos and domain information for each visitor to an internet site (col. 3, lines 33-61 and col. 4, lines 30-49)

As per claim 60, Boyd discloses:

- wherein the DNS resolver is adapted to process multiple DNS queries in parallel (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 61, Boyd discloses:

- wherein the log engine is adapted to process e-commerce log files that contain information on money spent by the visitor (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 67, Boyd further discloses:

- the step of temporarily storing the traffic data derived from the hits in a buffer prior to storing the traffic data in the database (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 68, Boyd further discloses:

- the step of sorting the traffic data stored in the buffer prior to storing the traffic data in the database (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 69, Boyd discloses:

- wherein the step of processing hits logged in each log file comprises the steps of: reading log lines in the log files (col. 3, lines 33-61 and col. 4, lines 30-49); and separating each log line into individual fields (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 70, Boyd discloses:

- wherein the hits logged in each log file are processed in real time as each hit is logged to a log file (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 71, Boyd discloses:

- wherein the processing step comprises processing hits originating from multiple sources that are logged to a single log file (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 72, Boyd further discloses:

- the step of identifying a source from which each hit originates (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 73, Boyd discloses:

- determining if a hit originates from a visitor with a preexisting visitor record in the database (col. 3, lines 33-61 and col. 4, lines 30-49); and
- creating a new visitor record if the hit originates from a visitor without a preexisting visitor record in the database (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 74, Boyd further discloses:

- the step of determining host and domain information for each visitor (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 75, Boyd discloses:

- wherein host and domain information for each visitor is determined using reverse domain name system (DNS) resolution (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 76, Boyd discloses a method of processing a log file to obtain traffic data, comprising the steps of:

- copying previously stored traffic data from a database to a database buffer (col. 3, lines 33-61 and col. 4, lines 30-49);
- separating hits logged in the log file into individual fields (col. 3, lines 33-61 and col. 4, lines 30-49);
- identifying each hit as originating from either a new visitor or an existing visitor;
- creating a new visitor record in the database buffer if a hit originates from a new visitor (col. 3, lines 33-61 and col. 4, lines 30-49);
- for each hit, locating the visitor record identified or created and updating the identified or created visitor record in the database buffer with traffic data derived from the respective hit (col. 3, lines 33-61 and col. 4, lines 30-49);
- copying updated traffic data from the database buffer to the database after all hits in the log file have been processed (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 77, Boyd further discloses:

- the step of generating a report based on the traffic data in the database (col. 4, lines 30-49 and col. 5, lines 11-25)

As per claim 78, Boyd discloses:

- wherein the hits logged to the log file are processed in real time as each hit is logged to the log file (col. 3, lines 33-61 and col. 4, lines 30-49).

As per 79, Boyd discloses:

- wherein hits originating from multiple sources are logged to the log file (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 80, Boyd further discloses:

- the step of identifying a source from which each hit originates (col. 3, lines 33-61 and col. 4, lines 30-49)

As per claim 81, Boyd further discloses:

- the step of determining host and domain information for each visitor (col. 3, lines 33-61 and col. 4, lines 30-49).

As per claim 82, Boyd discloses:

- wherein host and domain information for each visitor is determined using reverse domain name system (DNS) resolution (col. 3, lines 33-61 and col. 4, lines 30-49).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaShonda T. Jacobs whose telephone number is 703-305-7494. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 703-308-7562. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

LaShonda T. Jacobs
Examiner
Art Unit 2157

ltj
October 20, 2003

MOUSTAFA M. MEKY
PRIMARY EXAMINER